

Figure 1

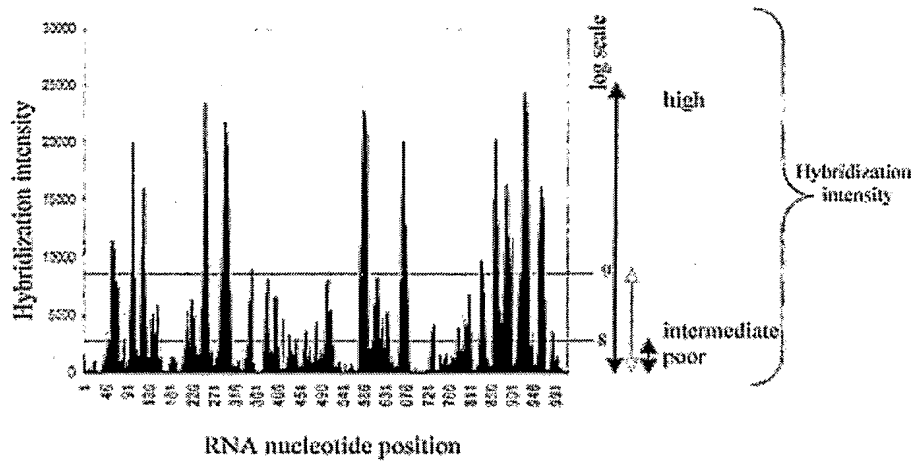


Figure 2

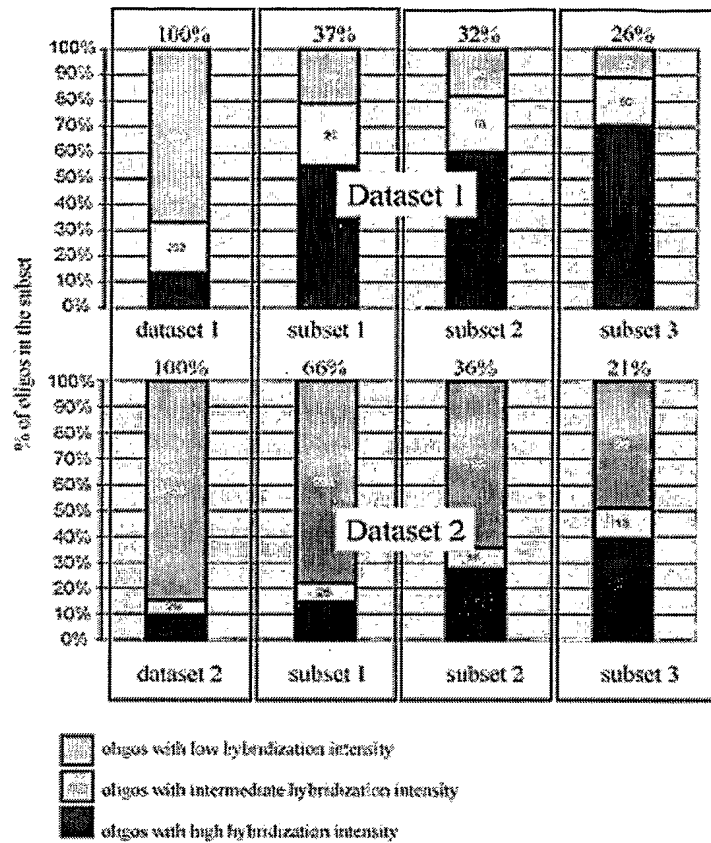
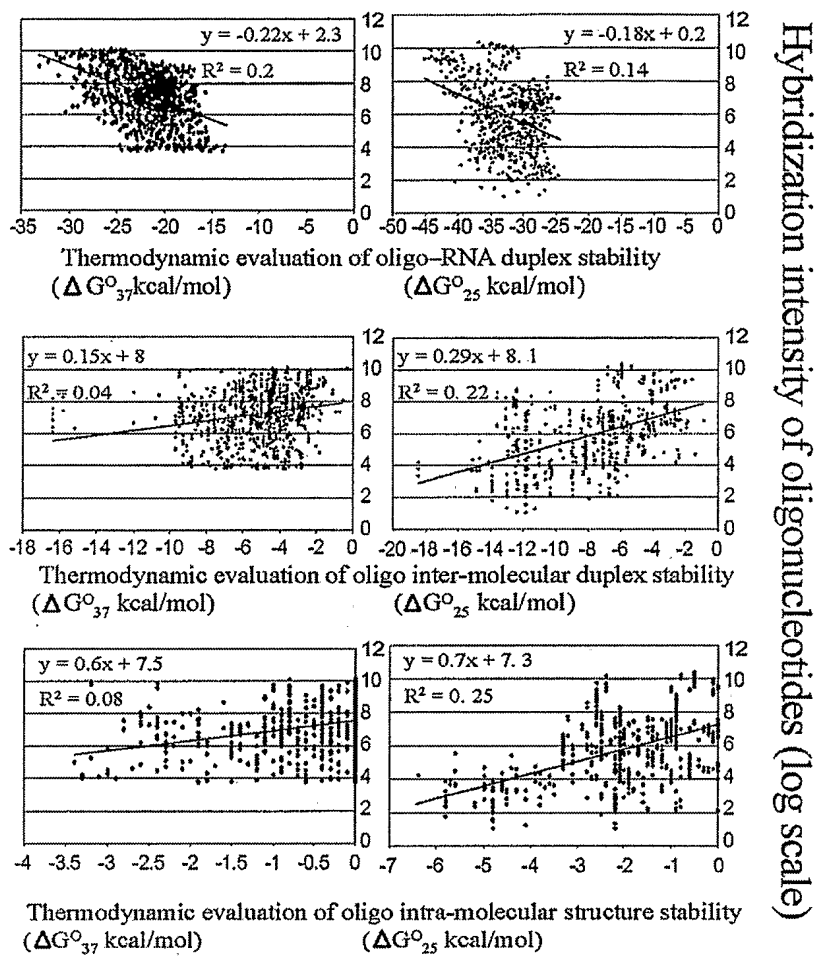


Figure 3



Dataset 1
Figure 4

Dataset 2

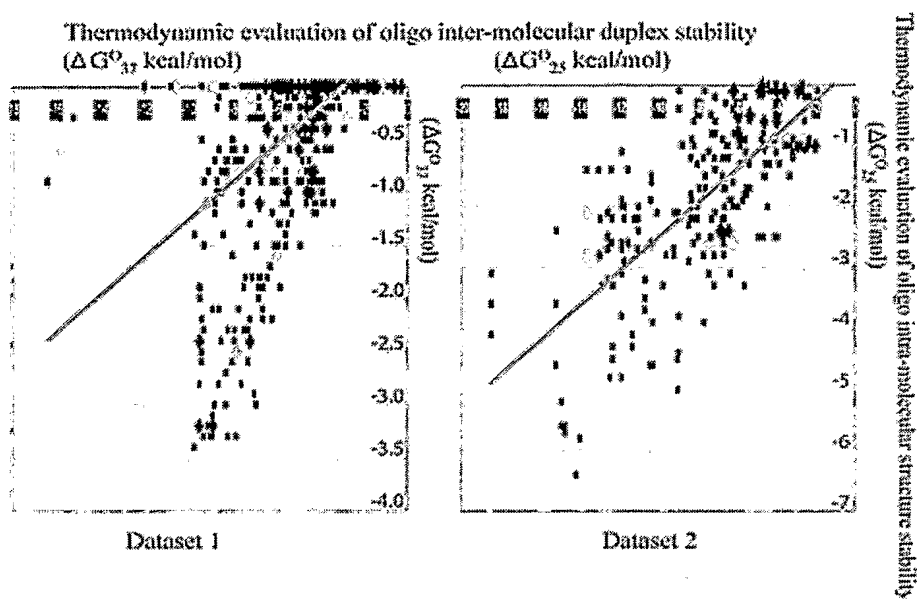


Figure 5

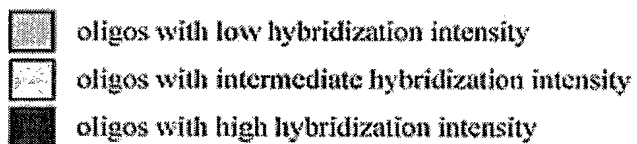
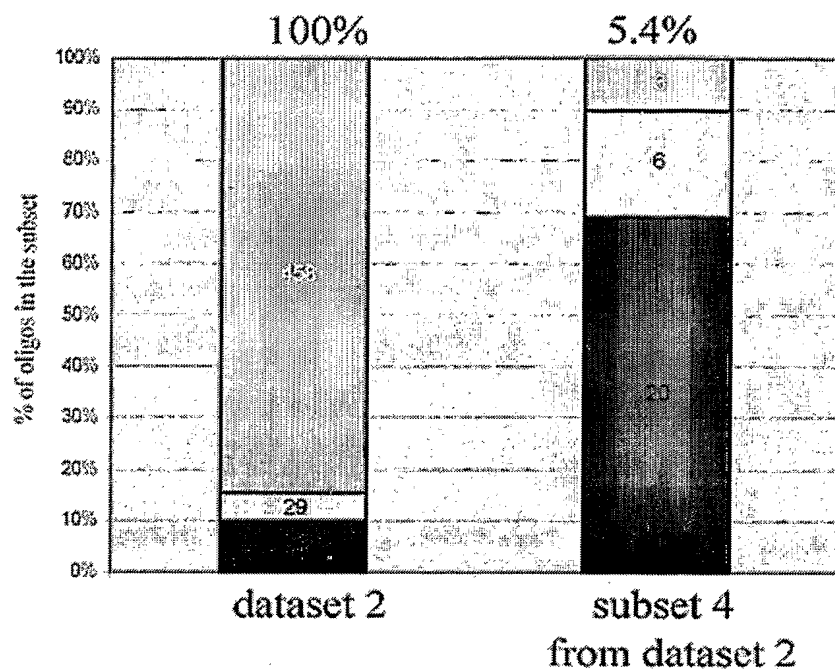


Figure 6

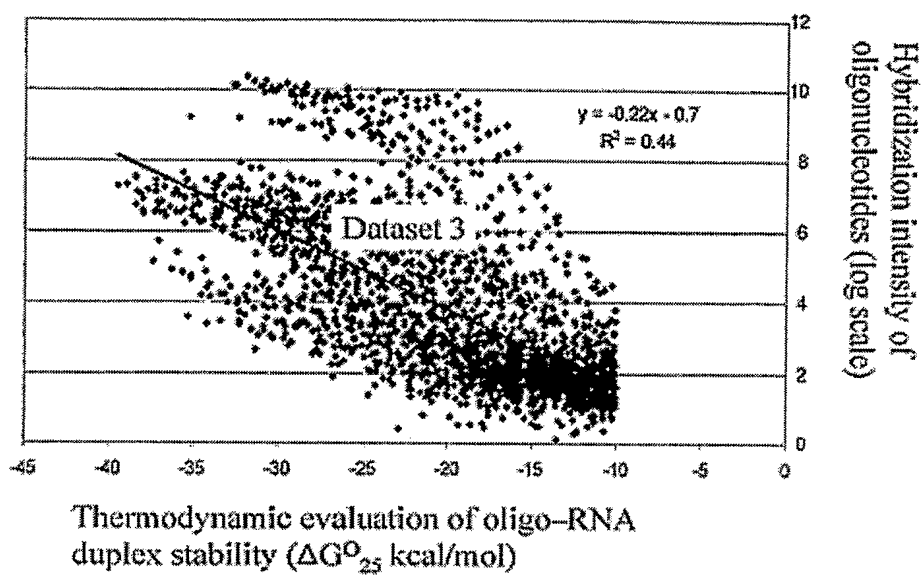


Figure 7

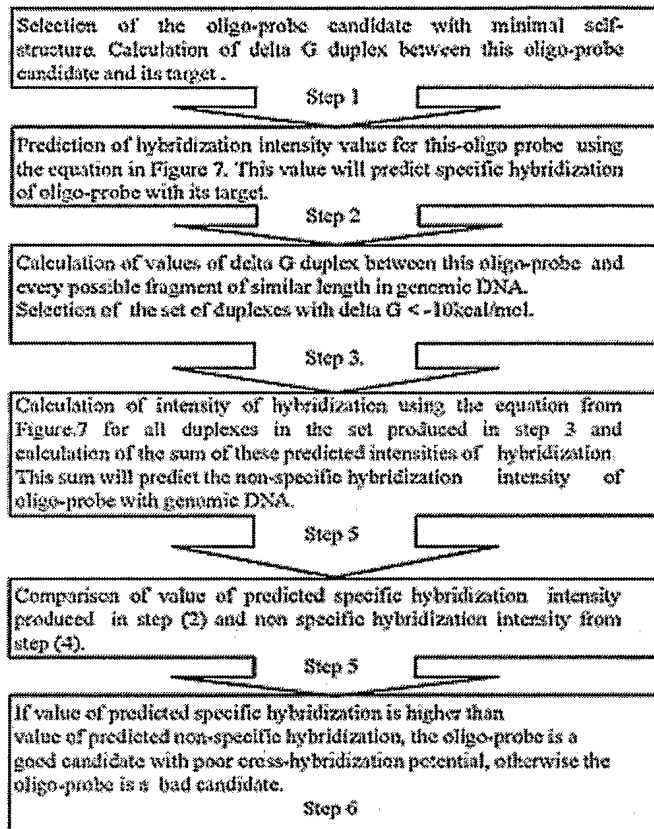


Figure 8

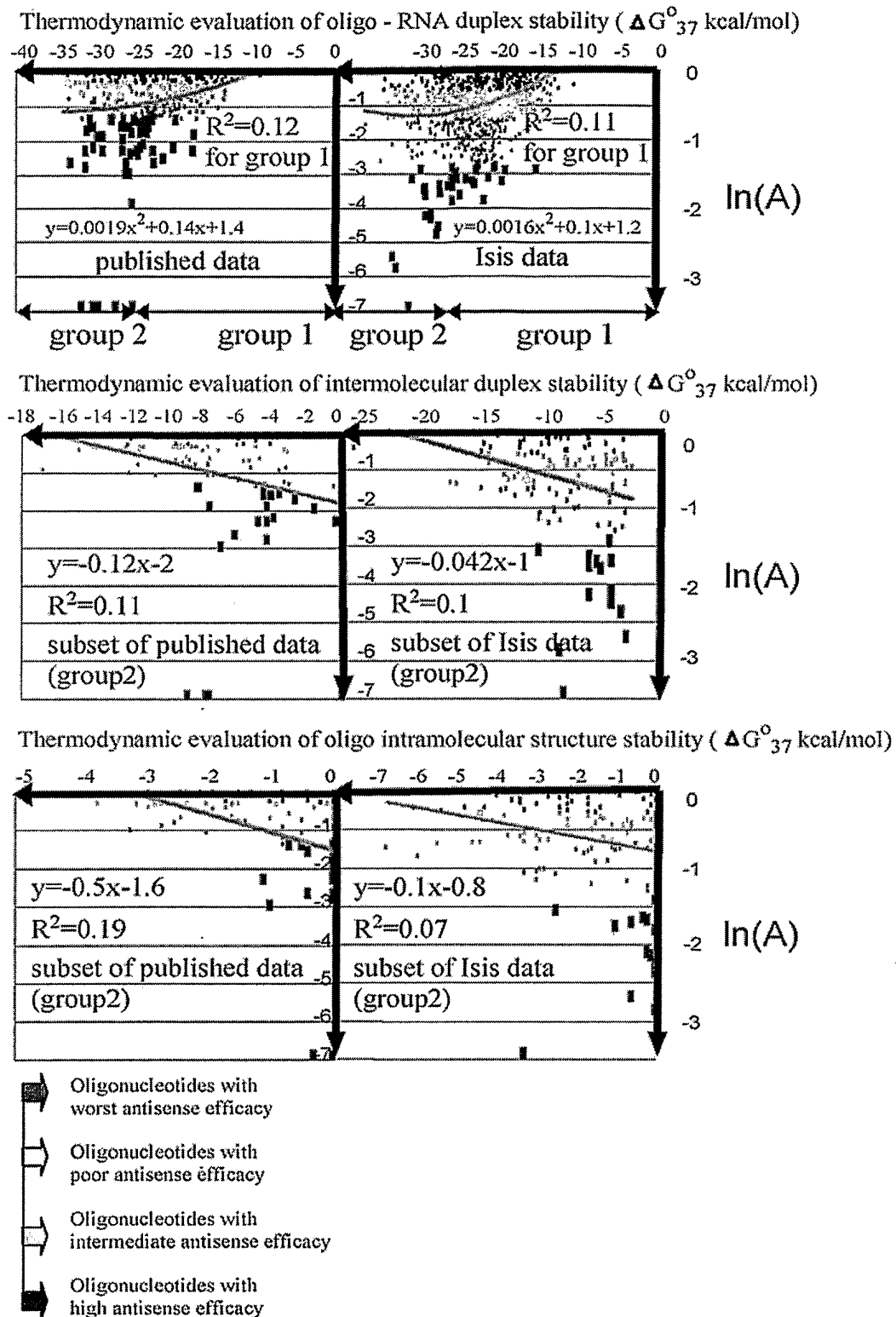


Figure 9

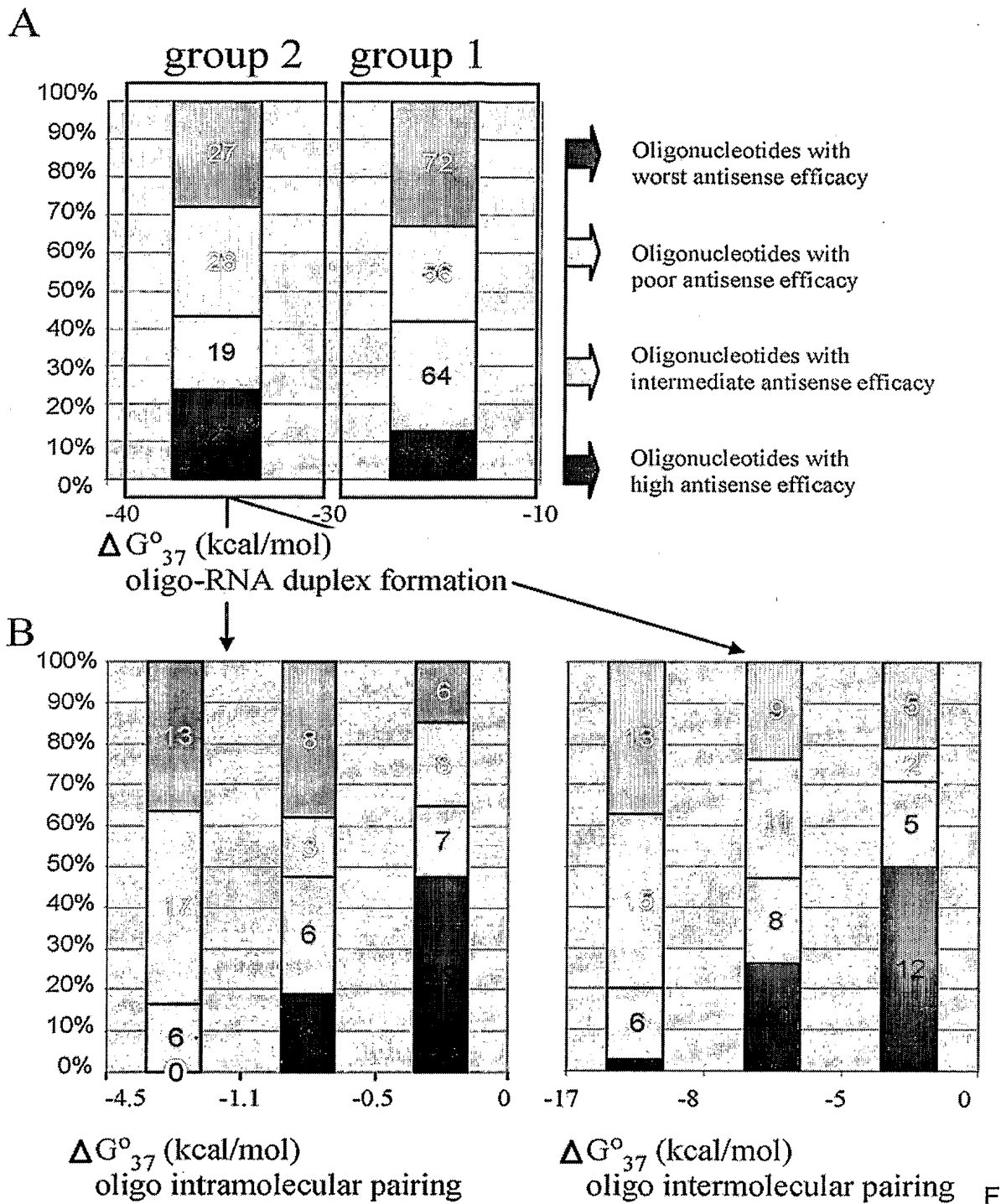


Figure 10

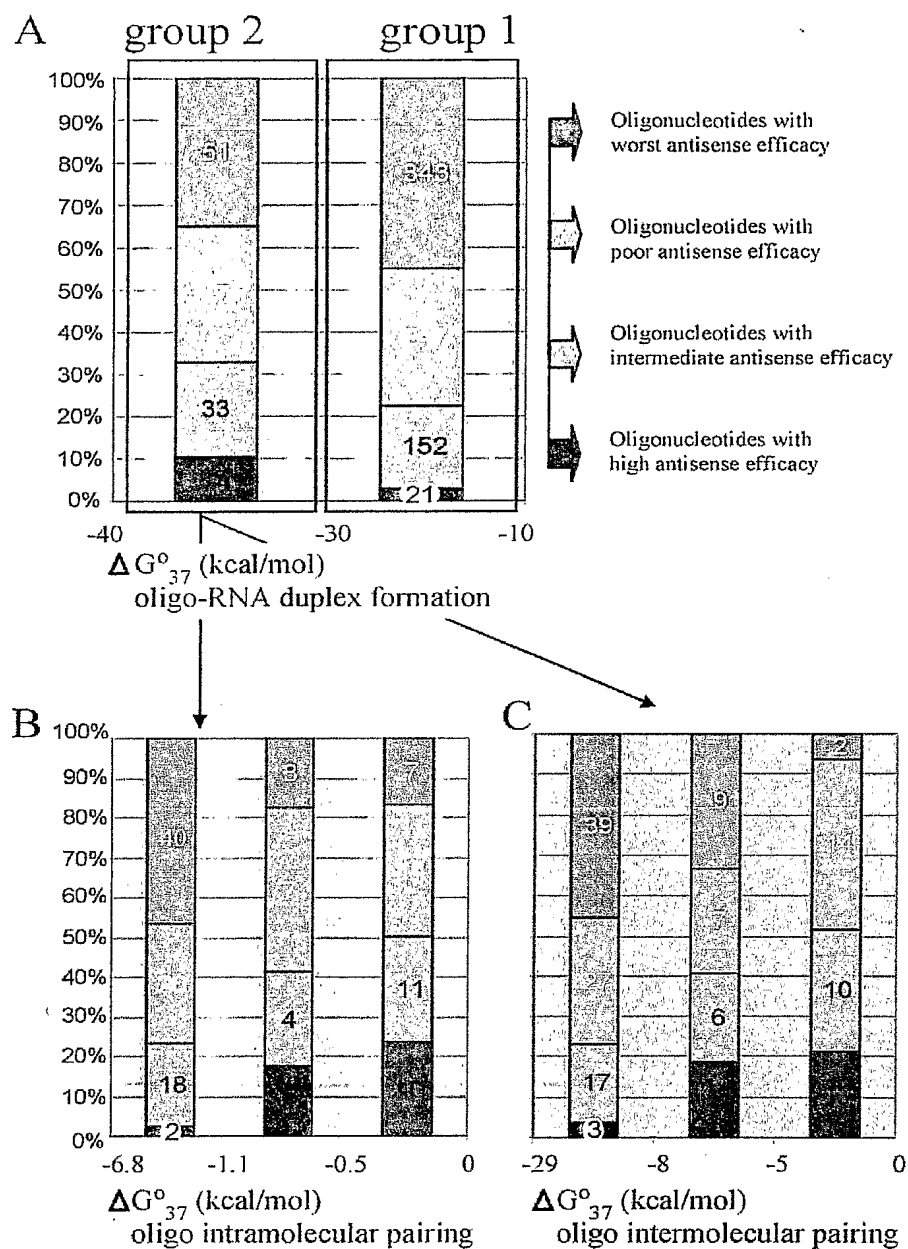


Figure 11

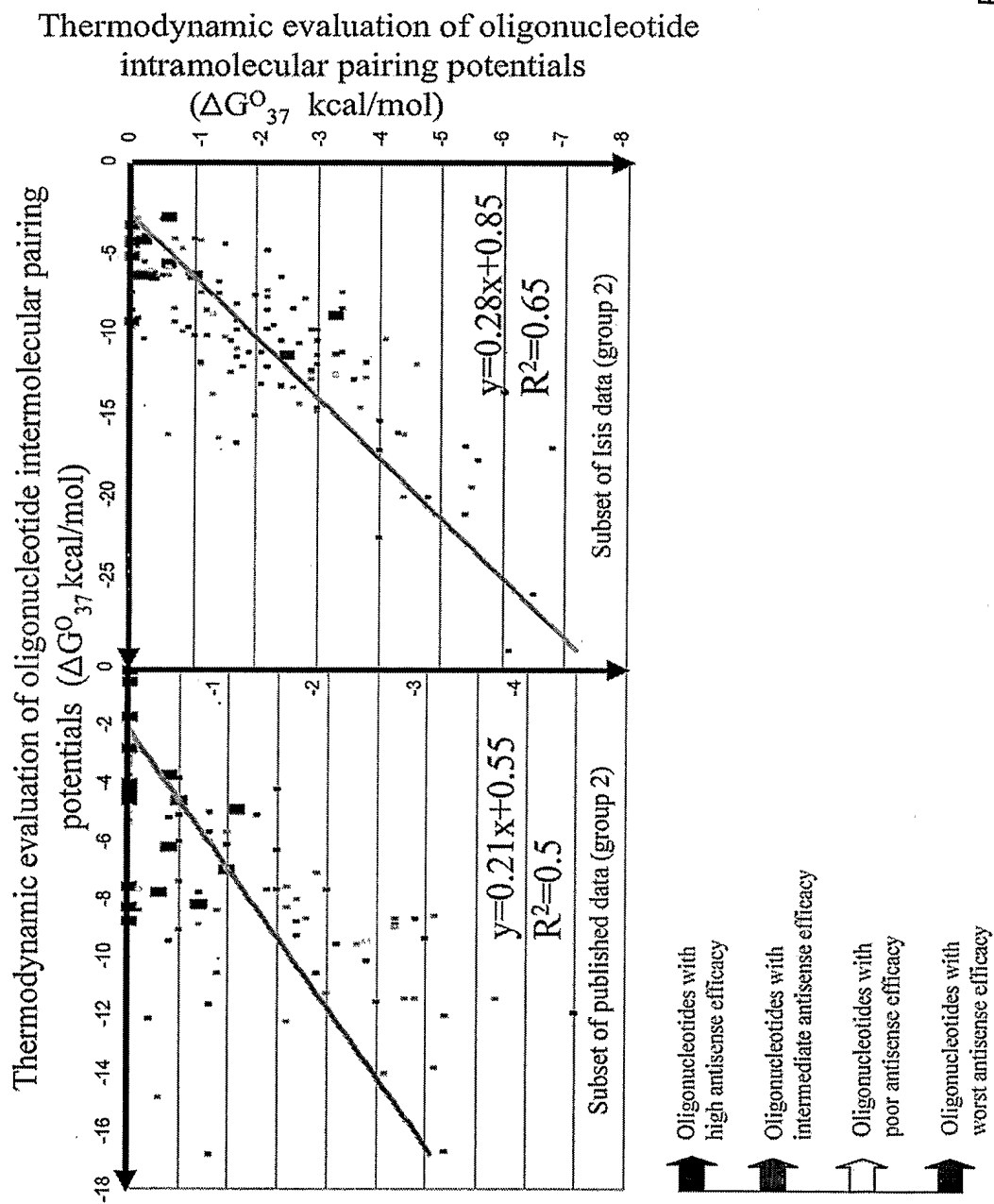
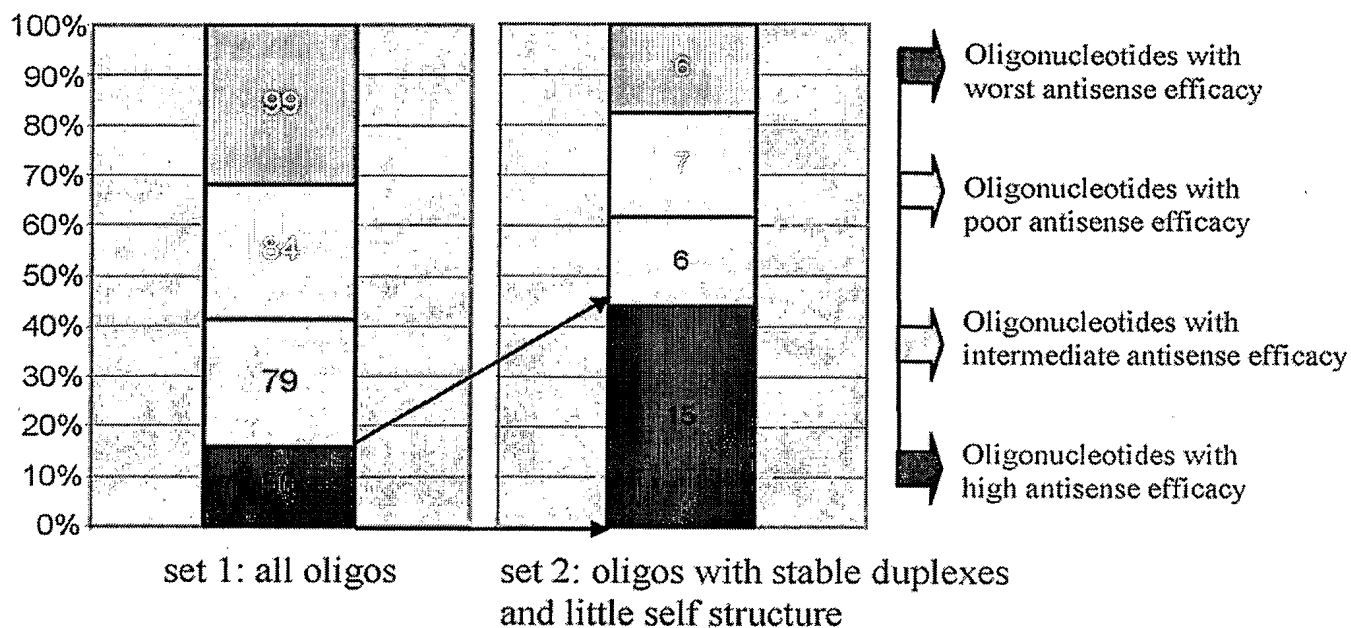


Figure 12

A) Published data



B) Isis data

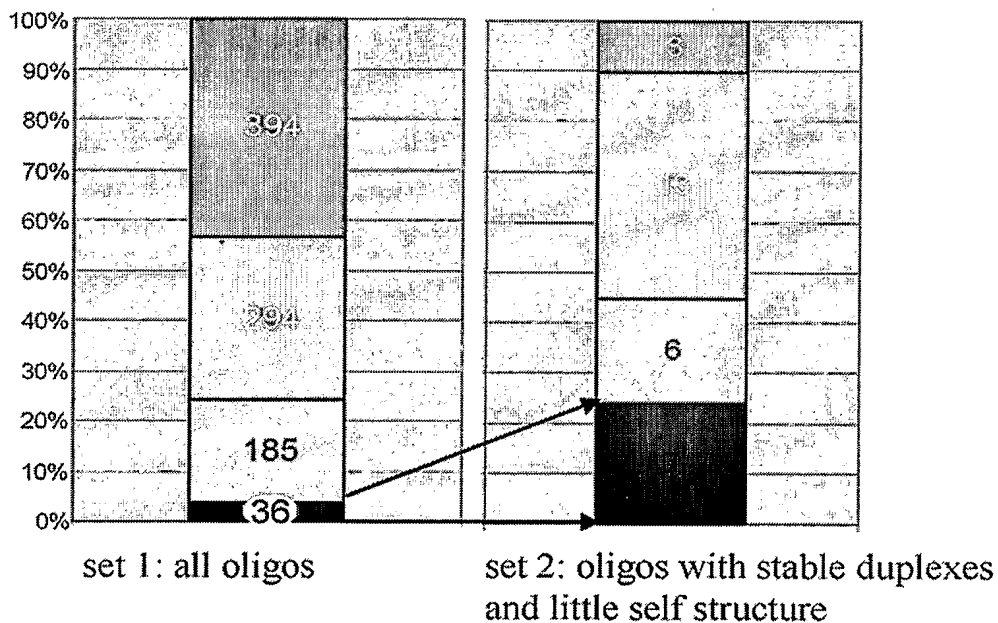
**Figure 13**

Figure 14A

790	ATGGGTGCGA	GAGCGTCAGT	ATTAAGCGGG	CGAAAATTAG	ATGCATGGGA	AAAAATTCGG	849
850	TTAAGGCCAG	GGGAAAGAA	AAAAATATAGA	TTAAACATC	TAGTATGGGC	AAGCAGGCAG	909
910	CTGGAAAGAT	TTGCACTTAA	CCCTGGGCTT	TTAGAAACAT	CAGAAGGCTG	TAAACAAATA	969
970	ATGGGACAGC	TACAACCAGC	TCTTCAGACA	GGATCAGAAG	AACTTAGATC	ATTATATAAT	1029
1030	ACAGTAGCAA	CCCTCTATTG	TGTACATCAA	AGGATAGAGG	TAAAAGACAC	CAAGGAAGCT	1089
1090	TTAGAGAAGA	TAGAGGAAGA	ACAAAACAAA	AGTAAGCAAA	AGACACAGCA	GGCAGCAGCT	1149
1150	GACACAGGAA	ACAGCAGCCA	GGTCAGCCAA	AATTACCCTA	TAGTGCAGAA	TCTACAAGGG	1209
1210	CAAATGGTAC	ACCAGGCCAT	ATCACCTAGA	ACTTTGAATG	CATGGGTAAA	AGTAATAGAA	1269
1270	GAAAAGGCTT	TCAGCCCAGA	AGTAATACCC	ATGTTTTTCAG	CATTATCAGA	AGGAGCCOACO	1329
1330	CCACAAGATT	TAAACACCA	CCTAAACACA	GTGGGGGGAC	ATCAAGCAGC	CATGCAAAATG	1389
1390	TTAAAAGATA	CCATCAATGA	GGAAAGCTGCA	CAATGGGATA	GGTTACATCC	AGTACATGCA	1449
1450	GGGCCTATT	CACCAGGCCA	GATGAGAGAA	CCAAGGCCAA	GTGACATAGC	AGGAACCTACT	1509
1510	AGTACCCCTT	AGGAACAAAT	AGGATGGATC	CAACCAACCC	CACCTATCCC	AGTGGGAGAA	1569
1570	ATCTATAAAA	GATGGATAAT	COTGGGATTA	AATAAAATAG	TAAGAATGTA	TAGCCCTGTC	1629
1630	AGCATTTTGG	ACATAAGACA	AGGGCCAAAA	GAACCCTTTA	GAGACTATGT	AGACAGGTTC	1689
1690	TTTAAAACTC	TAAGAGCTGA	GCAAGCTACA	CAGGATGTAA	AAAATTGGAT	GACAGAAACC	1749
1750	TTGTTGGTCC	AAAATGCGAA	CCCAGATTGT	AAGACCATTT	TAAAAGCATT	AGGACCAGGG	1809
1810	GCTACACTAG	AAGAAATGAT	GACAGCATGT	CAGGGAGTGG	GAGGACCCAG	CCATAAAGCA	1869
1870	AGAGTTTGTG	CTGAGGCAAT	GAGCCAAGCA	ACAAATGCAG	CCATAATGAT	GCAGAGAGGC	1929
1930	AATTTTAAGG	GCCAAAGAAG	AATTATTAAG	TGTTTCAACT	GTGGCAAAGA	AGGACACATA	1989
1990	GCCAGAAATT	GCAGGCGCCC	TAGGAAAAAG	GGCTGTTGGA	AATGTGAAAA	GCAAGGACAC	2049
2050	CAAATGAAAG	ACTGUAAGTGA	AAGACAGGCT	AATTTTTTATG	GGAAAATTTG	GCCTTCCAAC	2109
2110	AAGGGGAGGC	CAGGGAATTT	TCTTCAGAGC	ACACCAAGAGC	CAACAGGCCC	ACCGCAGAG	2169
2170	AGGTTTCGGGT	TCGGGGAGGA	GATAACCCCC	TCTCCGAAGC	AGGAGCAGAA	AGACAAGGAA	2229
2230	CTGTATCCTC	CTTTAGCTTC	CCTCAAATCA	CTCTTTGGCA	ACGAGCCCTTT	CTCACAATAA	2289
2290							

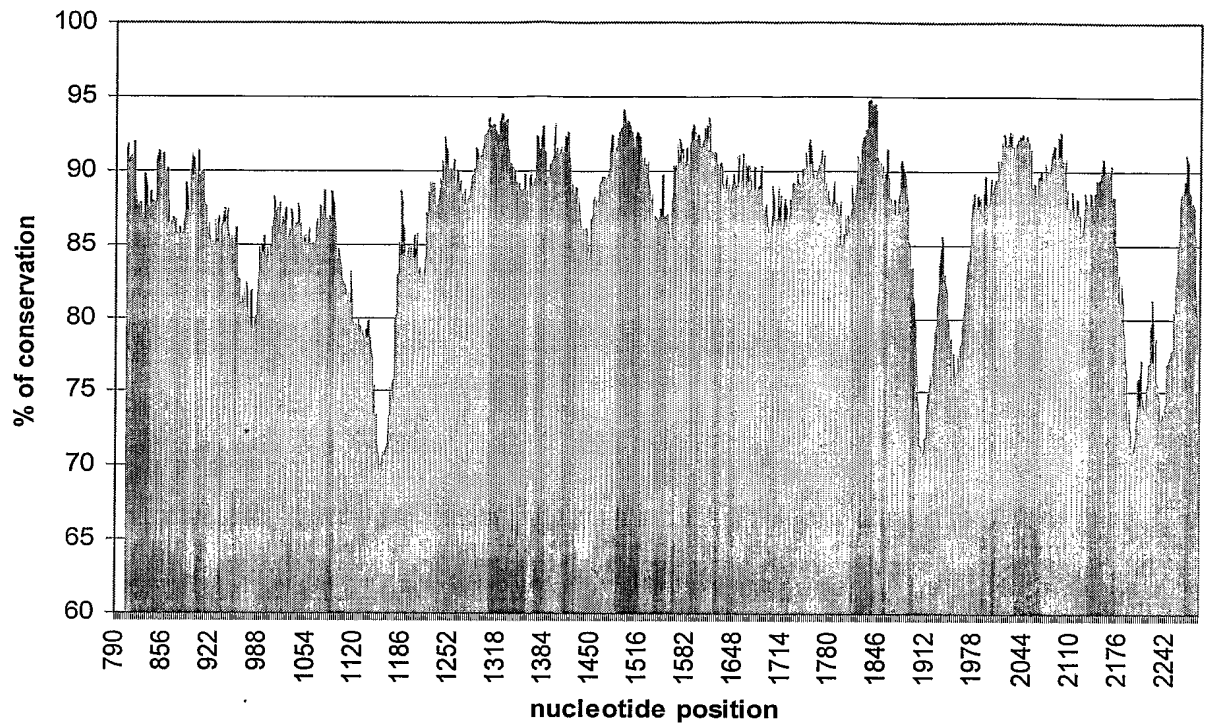
Figure 14 B

Figure 15

